Digital Portfolio

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COLLEGE : Vel Tech Ranga Sanku Arts College / University of Madras

PROJECT TITLE

➢ **Digital Portfolio**

➢ **Name: varunkumar dass**

➢ **BSc Computer Science, 2nd Year**

➢ **Key Skills: Java, Web Development, Creative Design**

➢ **Projects: Web apps, Wallpapers, Logos**

➢ **Contact: [Email] | [LinkedIn] | [GitHub]**

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link

PROBLEM STATEMENT

➢ *In today's digital era, traditional resumes are not enough to effectively showcase skills and projects.*

➢ *Many students and professionals lack a structured online presence to highlight their work and achievements.*

➢ *A digital portfolio offers an interactive and accessible solution to present skills, experiences, and accomplishments in a modern, engaging way.*

PROJECT OVERVIEW

➢ **Brief summary:** *This project is a digital portfolio to professionally present my background, skills, and creative work.*

➢ **Contains key sections:** *About Me, Projects, Skills, and Contact for easy navigation.*

➢ **Main idea:** *Showcase personal achievements, highlight technical expertise, and display completed projects in an organized manner.*

WHO ARE THE END USERS?

Students: *Showcase academic projects, assignments, and build resumes for further studies.*

Job Seekers: *Share skills, experience, and portfolio with recruiters and employers.*

Freelancers: *Present work samples and completed projects to attract potential clients.*

Professionals: *Highlight career achievements, expertise, and ongoing development.*

TOOLS AND TECHNIQUES

o **HTML:** *Builds the main structure of all portfolio pages and sections.*

o **CSS:** *Styles the portfolio with colors, layouts, and makes it responsive for all device sizes.*

o **JavaScript:** *Adds interactivity-navigation menu, animations, and form validation.*

o **Code Editor:** *Developed using VS Code for efficient coding.*

o **Hosting:** *Published online using GitHub Pages for easy sharing and access.*

POTFOLIO DESIGN AND LAYOUT

Organized sections:

➢ *Home/About Me, Projects, Skills, Contact.*

➢ *Consistent color scheme and clean typography throughout the portfolio.*

➢ *Easy navigation bar for smooth movement between sections.*

➢ *Visual elements like icons and images for better engagement.*

➢ *Fully responsive layout optimized for both mobile and desktop devices.*

FEATURES AND FUNCTIONALITY

➢ *Navigation bar with smooth scrolling for easy access to all sections.*

➢ *Project showcase including images and detailed descriptions for each project.*

➢ *Interactive elements such as hover effects and animations to enhance user engagement.*

➢ *Contact form with validation to ensure correct and complete user input.*

➢ *Responsive design that works seamlessly on desktop, tablet, and mobile devices.*

RESULTS AND SCREENSHOTS

HTML :

```html
<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width,
initial-scale=1">

  <title>Personal Portfolio</title>

  <link rel="stylesheet" href="style.css" >

</head>

<body>

  <header>

    <div class="container header-container">

      <h1>varunkumar dass k</h1>

      <p class="subtitle">Bachelor of Science, madras
university</p>

    <button id="darkModeToggle">🌙</button>

  </div>

</header>

<nav>

  <ul class="nav-links">

    <li><a href="#about" class="nav-link
active">About</a></li>
```

```html
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width,
initial-scale=1">

  <title>Personal Portfolio</title>

  <link rel="stylesheet" href="style.css" >

</head>

<body>

  <header>

    <div class="container header-container">

      <h1>varunkumar dass k</h1>

      <p class="subtitle">Bachelor of Science, madras
University</p>

    <button id="darkModeToggle">🌙</button>

  </div>

</header>

<nav>

  <ul class="nav-links">

    <li><a href="#about" class="nav-link
active">About</a></li>
```

```html
        <li><a href="#about" class="nav-link
active">About</a></li>
        <li><a href="#skills" class="nav-link">Skills</a>
</li>

        <li><a href="#projects" class="nav-
link">Projects</a></li>

        <li><a href="#contact" class="nav-
link">Contact</a></li>

    </ul>

  </nav>

  <main>

    <section class="welcome-section">

        <h1>Welcome!</h1>

    <section id="about" class="section">

    <h2>About Me</h2>

    <p>Hello! My name is varunkumar dass, and I am
currently a 2nd year BSc Computer Science student. I am
passionate about programming, algorithms, and building
innovative software solutions.</p>

    </section>

  <section id="skills" class="skills">

    <h2>Skills</h2>

    <ul>

        <li>HTML</li>

        <li>CSS</li>

        <li>JavaScript</li>

        <li>Java</li>

        <li>Python</li>

    </ul>

  </section>

  <section id="projects">

    <h2>Projects</h2>

    <div class="projects">

      <div class="project-card">

        <h3>Portfolio Website</h3>

        <p>Developed a responsive portfolio website
using HTML, CSS, and JavaScript to showcase projects
and skills.</p>

      </div>

      <div class="project-card">

        <h3>Java Swing Application</h3>

        <p>Created a multi-threaded Java Swing app
demonstrating GUI event handling and thread
synchronization.</p>

      </div>

      <div class="project-card">

        <h3>Database Management</h3>

        <p>Designed and implemented SQL database for
student record management with CRUD operations.</p>

      </div>

    </div>

    <br><br><br>

  <section class="contact-section">

    <div class="contact-info">

    <h2>Contact Me</h2>

    <ul class="info-list">

      <li>

        <span class="icon">&#9993;</span>

        <a
href="kamalsdas1008@gmail.com">kamalsdas1008@gmail.com<
/a>

      </li>

      <li>

        <span class="icon">&#128222;</span>

        <span>9042647039</span>

      </li>
```

```html
          </li>

        </ul>

        <div class="social-links">

          <a href="https://www.facebook.com/"><i class='bx
bxl-facebook'></i>

          <a href="#"><i class="fab fa-instagram"></i></a>

          <a href="#"><i class="fab fa-linkedin-in"></i></i>
</a>

        </div>

        <button class="contact-btn">Contact Me</button>
      </div>

      <form class="contact-form" id="contactForm">

        <input type="text" name="name" placeholder="Your
Name" required />

        <input type="email" name="email" placeholder="Your
Email" required />

        <textarea name="message" placeholder="Your Message"
required></textarea>

        <button type="submit" class="submit-
btn">Submit</button>

        <div class="form-result" id="formResult"></div>

      </form>
</section>
```

```html
        <div class="form-result" id="formResult"></div>

      </form>

    </section>

      </section>

    </main>

    <footer>

      <p>&copy; 2025 varunkumar dass</p>

    </footer>

    <script src="script.js"></script>

</body>

</html>
```

```css
body {

  font-family: 'Arial', sans-serif;

  margin: 0;

  padding: 0;

  background-color: #f9f9f9;

  color: #333;

  transition: background-color 0.3s ease, color 0.3s
ease;

}

body.dark-mode {

  background-color: #121212;

  color: #e0e0e0;

}

.container {

  max-width: 960px;

  margin: auto;

  padding: 20px;

  text-align: center;

}

.skills ul {

  list-style: none;
```

```css
.skills ul {

    list-style: none;

  padding: 0;

  display: flex;

  flex-wrap: wrap;

}

.skills li {

  background: #222;

  color: white;

  padding: 1rem 3rem;

  margin: 0.3rem;

  border-radius: 10px;

  font-size: 0.9rem;

}

header {

  background-color: #007acc;

  color: white;

  padding: 40px 20px;

  position: relative;

}
```

```css
.skills ul {

    list-style: none;

  padding: 0;

  display: flex;

  flex-wrap: wrap;

}

.skills li {

  background: #222;

  color: white;

  padding: 1rem 3rem;

  margin: 0.3rem;

  border-radius: 10px;

  font-size: 0.9rem;

}

header {

  background-color: #007acc;

  color: white;

  padding: 40px 20px;

  position: relative;
```

```css
}

header h1 {

  margin: 0;

  font-size: 3rem;

  letter-spacing: 2px;

}

header p {

  margin: 10px 0 0;

  font-size: 1.2rem;

}

#darkModeToggle {

  position: absolute;

  top: 20px;

  right: 20px;

  background: #004a99;

  border: none;

  color: white;

  font-size: 1.5rem;

  padding: 8px 12px;

  border-radius: 6px;
```

```css
  cursor: pointer;

  transition: background 0.3s ease;

}

#darkModeToggle:hover {

  background: #003366;

}

nav {

  background-color: #004a99;

}

.nav-links {

  list-style: none;

  display: flex;

  justify-content: center;

  margin: 0;

  padding: 12px 0;

}

.nav-links li {

  margin: 0 15px;

}

.nav-links a {
```

```css
}

.welcome-section h1 {

    font-size: 2.8em;

    margin: 0 0 22px 0;

    color: #929292;

    font-weight: bold;

}

.section {

  margin-bottom: 60px;

}

.section h2 {

  font-size: 2rem;

  margin-bottom: 15px;

  border-bottom: 3px solid #007acc;

  display: inline-block;

  padding-bottom: 5px;

}

.section ul {

  list-style-type: disc;

  padding-left: 20px;

    margin-top: 10px;

}

.projects {

  display: grid;

  grid-template-columns: repeat(auto-fit, minmax(250px,
1fr));

  gap: 1rem;

}

.project-card {

  background: #eee;

  border-radius: 6px;

  padding: 1rem;

  box-shadow: 0 0 5px rgba(0,0,0,0.1);

  transition: transform 0.3s ease;

}

.project-card:hover {

  transform: scale(1.05);

  box-shadow: 0 0 10px #222;

}

.contact-section {

  display: flex;

.contact-section {

  display: flex;

  justify-content: space-between;

  background: #333;

  padding: 3rem 6rem;

  color: #fff;

  gap: 4rem;

}

.contact-info {

  display: flex;

  flex-direction: column;

  max-width: 320px;

}

.contact-info h2 {

  font-size: 2rem;

  font-weight: bold;

  margin-bottom: 1.2rem;

}

.info-list {

  list-style: none;

  padding: 0;

}

/* Responsive */

@media (max-width: 600px) {

    header h1 {

        font-size: 2rem;

    }

    nav .nav-links {

        flex-direction: column;

        gap: 10px;

    }

    nav .nav-links li {

        margin: 0;

    }

    main {

        padding: 0 10px;

    }

}
```

JavaScript :

```javascript
const darkToggle =
document.getElementById('darkModeToggle');

const body = document.body;

darkToggle.addEventListener('click', () => {

  body.classList.toggle('dark-mode');

  if (body.classList.contains('dark-mode')) {

    localStorage.setItem('theme', 'dark');

  } else {

    localStorage.setItem('theme', 'light');

  }

});

window.addEventListener('DOMContentLoaded', () => {

  const savedTheme = localStorage.getItem('theme');

  if(savedTheme === 'dark') {

    body.classList.add('dark-mode');

  }

});

const form = document.getElementById('contact-form');

const formMessage = document.getElementById('form-
message');

form.addEventListener('submit', (e) => {
```

```javascript
form.addEventListener('submit', (e) => {

  e.preventDefault();

  const name = form.name.value.trim();

  const email = form.email.value.trim();

  const message = form.message.value.trim();

  if(name.length < 2) {

    formMessage.style.color = 'red';

    formMessage.textContent = 'Name must be at least 2
characters.';

    return;

  }

  const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

  if(!emailRegex.test(email)) {

    formMessage.style.color = 'red';

    formMessage.textContent = 'Please enter a valid
email.';

    return;

  }

  if(message.length < 10) {

    formMessage.style.color = 'red';

    formMessage.textContent = 'Message must be at least
10 characters.';
```

```javascript
    return;

  }

  if(message.length < 10) {

    formMessage.style.color = 'red';

    formMessage.textContent = 'Message must be at least
10 characters.';

    return;

  }

  formMessage.style.color = 'green';

  formMessage.textContent = 'Message sent successfully!
Thank you.';

  form.reset();

})
```

Navigation :

varunkumar dass k

Bachelor of Science, madras University

About Me :

Welcome!

About Me

Hello! My name is varunkumar dass, and I am currently a 2nd year BSc Computer Science student. I am passionate about programming, algorithms, and building innovative software solutions.

Skills :

Skills

HTML | CSS | JavaScript | Java | Python

Projects :

Projects

Portfolio Website

Developed a responsive portfolio website using HTML, CSS, and JavaScript to showcase projects and skills.

Java Swing Application

Created a multi-threaded Java Swing app demonstrating GUI event handling and thread synchronization.

Database Management

Designed and implemented SQL database for student record management with CRUD operations.

Contact Me :

Contact Me

📧 kamalsdas1008@gmail.com

📞 9042647039

| Your Name |
| Your Email |
| Your Message |

Contact Me

Submit

Footer :

© 2025 varunkumar dass

CONCLUSION

Highlights of Your Project:

➢ *Integrates both technical (coding, web development) and creative (design, wallpapers, logos) projects in a single portfolio.*

➢ *Features a user-friendly, visually attractive layout for easy navigation and engagement.*

➢ *Provides interactive elements like clickable project links and external profiles for deeper exploration.*

Final Summary:

➢ *Demonstrates a holistic approach to personal branding and self-presentation in the digital age.*

➢ *Offers a comprehensive record of skills, achievements, and creative growth beyond traditional resumes.*

➢ *Acts as a dynamic platform adaptable for academic, professional, and creative opportunities.*

Benefits to Society:

➢ *Encourages students and professionals to showcase their real skills and passion authentically.*

➢ *Fosters inspiration and knowledge sharing among peers, educators, and professionals.*

➢ *Helps bridge the gap between talent and opportunity, supporting career growth and collaboration.*